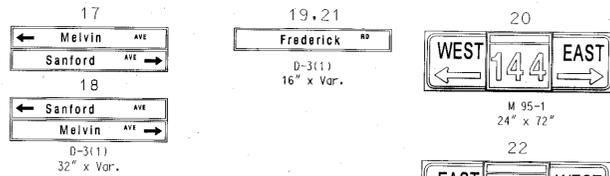
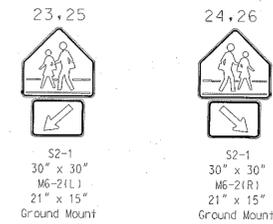


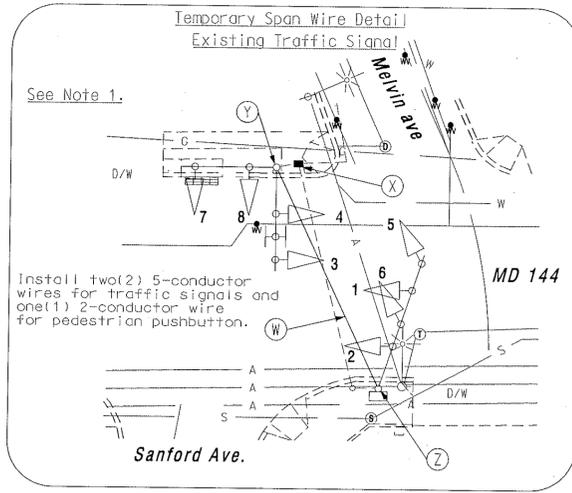
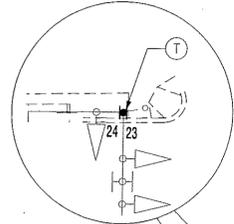
PROPOSED SIGNS



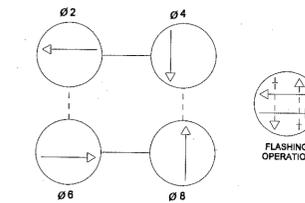
EXISTING SIGNS TO BE RELOCATED



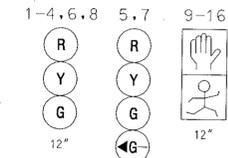
School Sign Detail



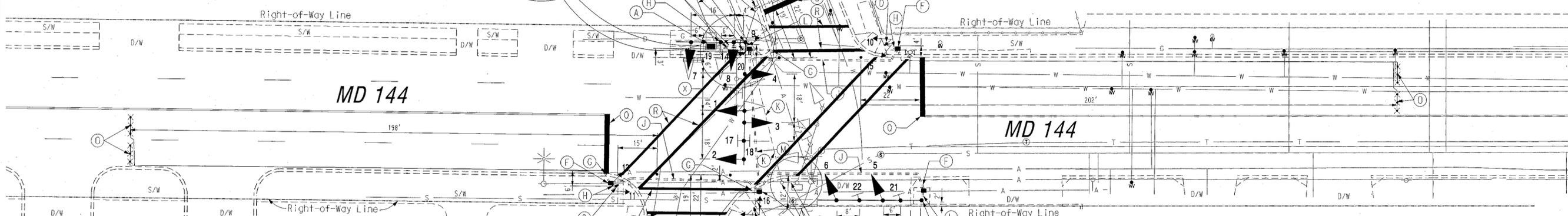
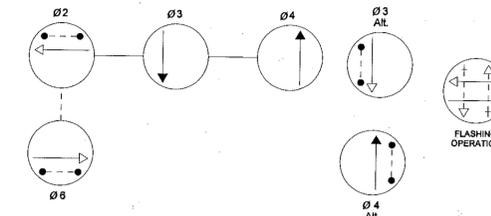
EXISTING NEMA PHASING



PROPOSED SIGNALS

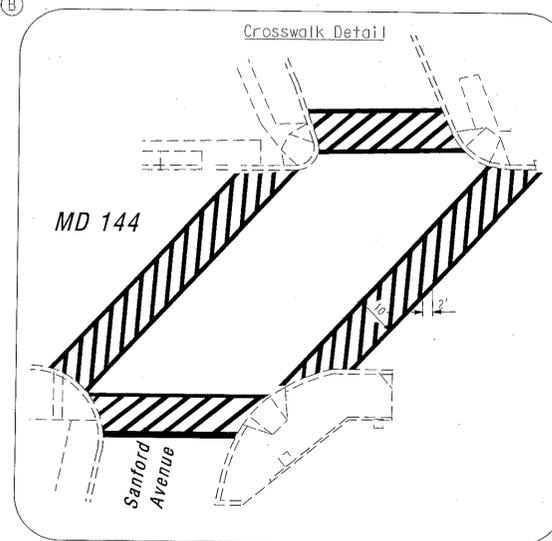


PROPOSED NEMA PHASING



CONSTRUCTION DETAILS

- A. Install base mounted NEMA 6 cabinet (use existing controller), and all necessary equipment.
- B. Install 21 ft. steel mast arm pole [cut from a 27 ft.] with a 38 ft. mast arm, vehicle signal heads, and signs (Note one 3 in. PVC conduit bend).
- C. Install 21 ft. steel twin mast arm pole [cut from a 27 ft.] with 45 ft. (cut from a 50 ft.) and 25 ft. (cut from a 50 ft.) mast arms, vehicle signal heads, signs, pedestrian signal heads, pedestrian pushbutton, pedestrian pushbutton sign, and all necessary equipment for an overhead MD-SHA (Type B-7) electrical service as shown (Note: one 3 in. and one 2 in. PVC conduit bends).
- D. Install 10 ft. steel pedestal pole on break away base with pedestrian signal heads, pedestrian pushbutton, and pedestrian pushbutton sign (Note: one 2 in. PVC conduit bend).
- E. Remove existing steel pole and all attached equipment. Relocate existing controller to new base mounted cabinet. Install ground mounted sign (use existing pole mounted school crossing sign) in location where existing traffic signal pole was removed. Replace any streetscape brick as necessary.
- F. Install handhole.
- G. Install 1 in. liquid tight flexible conduit for loop detector lead-in.
- H. Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
- J. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted roadway.
- K. Cap and abandon existing conduit.
- L. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
- M. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted in roadway. (Note: abandon trolley tracks are believed to be under road surface.)
- N. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
- O. Install microloop probe.
- P. Install 6 ft. x 30 ft. quadrupole type vehicle loop detector (3-6-3 turns).
- Q. Install 24 in. wide pavement marking - white for stop line.
- R. Install 12 in. wide pavement marking - white for crosswalk.
- S. Proposed overhead electrical service by BGE.
- T. Remove existing steel pole and all attached equipment. Install ground mounted sign (use existing pole mounted school crossing sign) in location where existing traffic signal pole was removed. Replace any streetscape brick as necessary.
- U. Remove existing splice box.
- V. Abandon existing loop detectors.
- W. Install temporary 1/4 in. span wire.
- X. Remove existing splice box and install new handhole. Temporary span wire must be installed prior to removal of splice box.
- Y. Rewire existing traffic signal and pushbutton for temporary service.
- Z. Reuse existing cabinet and wire as necessary.



NOTES

1. Temporary span wire shall be installed prior to any traffic signal work being started.
2. Geometrics shall be confirmed prior to the installation of signal equipment. All signal equipment to be installed at final grade.
3. Loop detectors and conduits shall be installed prior to the installation of pavement markings.
4. Pavement markings detailed are proposed and are to be installed by the Traffic Signal Contractor in accordance with S.H.A. standards. All other pavement markings are to be considered as existing.
5. Revision 'A' is a revision to the traffic signal built in October 1995.
6. All underground and overhead utilities shown on these plans are schematic and are not to be considered complete. The Contractor shall be responsible for notifying all utility companies prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal equipment will occur, the Contractor shall notify the appropriate Project Engineer immediately.
7. Contractor shall hand excavate for each new foundation till all utilities are adequately cleared.
8. Contractor shall salvage all brick from streetscape project for replacement in other areas as necessary.
9. Contractor shall contact Geof Rice at 410-887-3554 with Baltimore County forty-eight (48) hours in advance before any excavating to determine the location of street lighting cables.
10. All handholes shall be located outside the streetscape brick area when possible.
11. Remove and replace any existing sidewalk as necessary.
12. Crosswalk shall be installed per MD-SHA Standard.

GEOMETRIC LEGEND	
	EXISTING GEOMETRICS
	PROPOSED GEOMETRICS

UTILITY LEGEND	
	GAS MAIN
	WATER MAIN
	SEWER MAIN
	ELECTRIC CABLES
	STORM DRAIN
	AERIAL CABLES
	TELEPHONE CABLES

Revision "A"

The Traffic Group, Inc.  
410-931-6600  
Fax 410-931-6601

REVISIONS	APPROVALS

February 21, 1999  
Reconstruction of Traffic Signal  
S.H.A. No.: X11905485  
FH

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION  
ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION  
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION  
DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION  
Office of Traffic & Safety  
TRAFFIC ENGINEERING DESIGN DIVISION  
(Traffic Signal Plan)

**MD 144 (Frederick Road) at Melvin Avenue/Sanford Avenue**

DRAWN BY: Flanigan	F.A.P. NO. N/A	TS NO. XXX	SHEET NO. 1 OF 4
CHECKED BY: C.R.M.	S.H.A. NO. BASE/BSF	COUNTY: Baltimore	
SCALE: 1" = 20'	LOG MILE: XXX	T.I.M.S. NO. C808GPI	
DATE: March 15, 1974			

SHEET 80435